

11KV/33KV有载分接开关ON-LOAD TAP-CHANGER



■ General

This series on-load tap-changer applies to oil-immersed transformer and rectifier transformer with high voltage for equipment 11KV、33KV maximum through current 125A、250A、400A, frequency 50 Hz or 60 Hz by changing the tap connection position of regulation coil to change the ratio for the purpose of improve the electrical power quality.

The OLTC equipped with YK-2、YK-3 controller can realize OLTC manual、automatic and remote control.

■ Technical date of OLTC

Switch type	SYXZ-125	SYX(J)-200	SYX(J)Z6-400	SYZ7-200
Connection	Neutral point regulation	Neutral point regulation	or bridging	Bridging regulation
Rated frequency (Hz)	50 or 60			
Number of phases	3			
Max through current (A)	125	200	400	200
Thermal stability(3s effective value)(KA)	2	4	4	4
Dynamic stability (Peak)(KA)	5	10	10	10
Max step voltage(V)	300	600		
Number of service positions	9	7(J)or 8(X)		9
Insulation level	Rated voltage(KV)	11	33	
	Highest voltage(KV)	12	40.5	
	Power frequency test(KV 50Hz 1 min)	35	85	
	BIL(KV 1.2/50 us)	75	200	
Oil compartment of diverter switch	Service pressure	3×10^4 Pa		
	Sealing property	No leakage under 6×10^4 Pa for 24 hours (hot oil)		
	Protection of over voltage	Pressure release mechanism($2 \sim 3 \times 10^5$ Pa)	Pressure release valve (opening pressure 3.5×10^4 Pa)	
	Protection relay	QJ4-25 setting oil flow velocity 1.0m/s $\pm 10\%$		
Contact resistance between moving and fixing contact	$\leq 500 \mu\Omega$			
The controller equipped with	YK-2	YK-3		YK-3(9steps)